

(19) World Intellectual Property  
Organization  
International Bureau



554372

(43) International Publication Date  
11 November 2004 (11.11.2004)

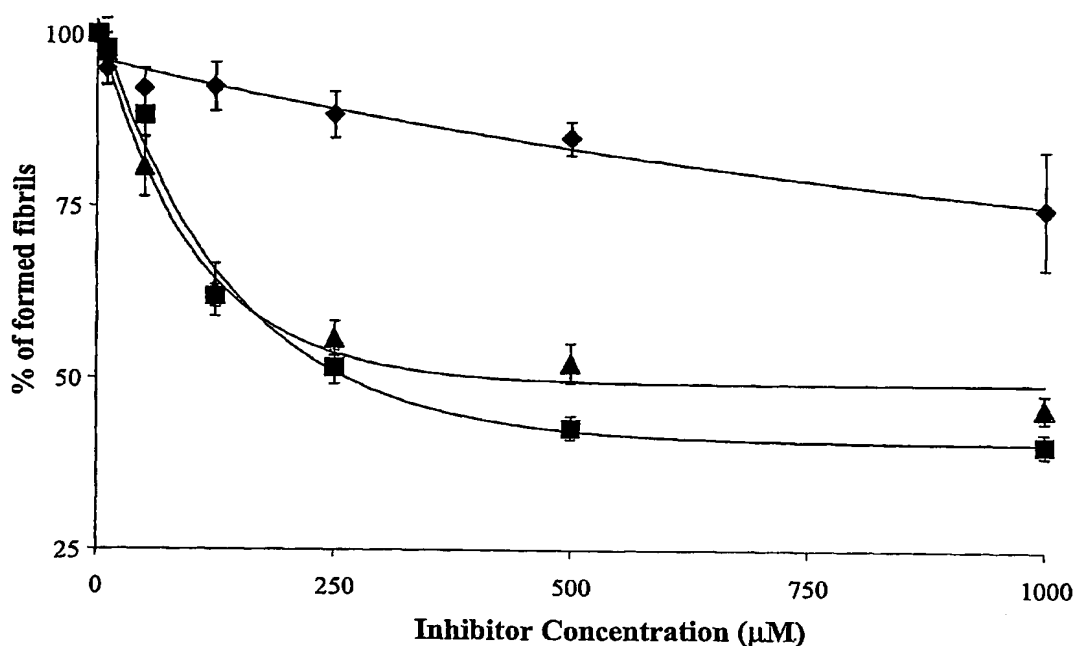
PCT

(10) International Publication Number  
**WO 2004/096845 A2**

- (51) International Patent Classification<sup>7</sup>: **C07K 14/435**
- (21) International Application Number:  
PCT/EP2004/004807
- (22) International Filing Date: 29 April 2004 (29.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03101202.4 30 April 2003 (30.04.2003) EP
- (71) Applicant (for all designated States except US): **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; Pietermaai 15, NL-Curaçao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BARBERO, Luca** [IT/IT]; V. Dei Cappuccini, 6/A, I-10034 Chivasso (IT). **ESPOSITO, Pierandrea** [IT/IT]; Via Lago S. Michele, 12/B, I-10015 Ivrea (IT). **TRAVERSA, Silvio** [IT/IT]; Regione Mulini, 74, I-10010 Palazzo Canavese (IT).
- (74) Agent: **SERONO INTERNATIONAL S.A.**; Intellectual Property, 12, chemin des Aulx, CH-1228 Plan-Les-Ouates (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **BETA-AMYLOID INHIBITORS AND USE THEREOF**



(57) Abstract: Peptides and derivatives or analogs thereof are provided for having  $\beta$ -amyloid aggregation inhibitory activity, useful in the treatment and prevention of diseases such as Alzheimer's disease, Dementia pugilistica (including head trauma), Hereditary Cerebral Haemorrhage with amyloidosis of the Dutch type (HCHWA-D) and vascular dementia with amyloid angiopathy.



**Published:**

— without international search report and to be republished  
upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*